

## Cottonwood 2E, SD

Latitude	43 58 N
Longitude	101 52W
Elevation	2414
Station Record Begins	6/1/1909

### 30 Year Normals (1981-2010)

	Max (F)	Min (F)	Mean (F)	Precipitation	Snow (in.)
January	35.2	8.5	21.9	0.37	4.8
February	38.9	11.6	25.3	0.57	6.2
March	47.8	20.5	34.2	1.18	8.4
April	60.1	30.4	45.3	1.70	4.8
May	70.3	42.2	56.2	2.83	0.1
June	80.3	52.1	66.2	2.98	0.0
July	89.6	58.6	74.1	2.22	0.0
August	89.3	56.1	72.7	1.46	0.0
September	78.4	44.3	61.3	1.32	0.0
October	63.5	31.2	47.4	1.36	1.1
November	47.6	18.9	33.3	0.64	5.7
December	36.1	8.6	22.4	0.38	5.4
Annual	61.5	32.0	46.8	17.01	36.5

### January

#### Average Temperature

	WARMEST		COLDEST	
	AVG	YEAR	AVG	YEAR
1	36.8	1944	4.3	1937
2	34.9	2006	6.1	1930
3	33.4	1981	6.2	1940
4	33.3	1990	8.0	1979
5	33.0	1953	8.7	1916
6	31.7	1914	9.2	1912
7	31.5	1958	9.3	1949
8	31.4	1965	9.5	1924
9	30.4	1983	11.1	1982
10	29.8	1980	11.4	1929

#### Rainfall

	WETTEST		DRIEST	
	AMOUNT	YEAR	AMOUNT	DAY
1	1.47	1917	0.86	01/04/1997
2	1.40	1936	0.85	01/26/1917
3	1.32	1963	0.75	01/06/1975
4	1.28	1997	0.72	01/10/1949
5	1.16	1975	0.70	01/07/1912
6	1.13	1949	0.64	01/09/1922
7	0.95	1976	0.55	01/28/1936
8	0.95	1953	0.51	01/07/1976
9	0.90	1922	0.50	01/10/1926
10	0.87	1912	0.46	01/27/1974

#### Snowfall

	GREATEST		LEAST	
	AMOUNT	YEAR	AMOUNT	DAY
1	38.1	1949	20.0	01/10/1949
2	15.8	1982	10.6	01/07/1976
3	15.2	1976	10.0	01/09/1949
4	14.0	1975	7.5	01/06/1975
5	13.5	1936	7.0	01/07/1912
6	13.3	1963	6.1	01/27/1974
7	13.2	1996	6.0	01/12/1998
8	10.3	1922	5.7	01/27/1986
9	9.9	1974	5.7	01/09/1922
10	9.6	1992	5.5	01/13/1975

#### Snowfall

	WARMEST		COLDEST	
	AVG	YEAR	AVG	YEAR
1	46.3	1910	20.7	1915
2	46.2	2012	21.1	1943
3	43.9	1911	22.6	1913
4	43.8	2007	22.9	2002
5	43.3	1992	23.0	1944
6	43.1	1972	23.3	1962
7	42.5	1957	23.7	1960
8	40.1	1918	24.0	1951
9	39.9	1973	24.4	996
10	39.9	1946	25.0	1965

#### Rainfall

	WETTEST		DRIEST	
	AMOUNT	YEAR	AMOUNT	DAY
1	2.65	1987	1.70	03/30/1937
2	2.73	1998	1.63	03/21/1929
3	2.60	1929	1.30	03/22/1963
4	2.28	1963	1.15	03/29/1998
5	1.98	1992	1.10	03/11/1933
6	1.88	1973	1.06	03/14/1992
7	1.80	2007	1.03	03/24/2009
8	1.80	2006	0.98	03/20/1973
9	1.80	1937	0.92	03/09/1985
10	1.68	1933	0.91	03/08/2000

#### Snowfall

	GREATEST		LEAST	
	AMOUNT	YEAR	AMOUNT	YEAR
1	33.7	1987	16.3	03/21/1929
2	23.6	1929	13.0	03/22/1963
3	19.5	1963	11.0	03/11/1933
4	19.5	1958	10.0	03/09/1985
5	18.6	2006	10.0	03/03/1958
6	18.0	1989	9.1	03/24/1968
7	17.4	1998	8.0	03/30/1937
8	15.0	1954	7.5	03/26/1914
9	14.4	1970	7.3	03/28/1929
10	14.3	1964	7.0	03/09/1989

### February

#### Average Temperature

	WARMEST		COLDEST	
	AVG	YEAR	AVG	YEAR
1	41.5	1954	-9.0	1936
2	36.3	1999	2.7	1929
3	35.9	1992	10.1	1918
4	35.9	1987	11.4	1922
5	35.9	1931	12.0	1978
6	35.3	1935	12.6	1939
7	34.7	1998	12.7	1923
8	34.4	1984	13.9	1993
9	34.2	1962	14.0	1933
10	33.6	1983	14.4	1949

#### Rainfall

	WETTEST		DRIEST	
	AMOUNT	YEAR	AMOUNT	DAY
1	1.75	1915	0.97	02/19/1915
2	1.43	2011	0.92	02/28/1992
3	1.18	1914	0.72	02/28/1914
4	1.17	2009	0.67	02/10/2009
5	1.17	2001	0.59	02/26/2000
6	1.15	1971	0.54	02/07/2001
7	1.12	1965	0.50	02/23/1991
8	1.09	1993	0.48	02/26/1920
9	1.00	1960	0.46	02/20/2011
10	0.92	1992	0.45	02/09/1971

#### Snowfall

	GREATEST		LEAST	
	AMOUNT	YEAR	AMOUNT	DAY
1	22.0	1955	8.0	02/07/2001
2	18.0	2001	8.0	02/15/1995
3	17.2	2011	8.0	02/24/1955
4	16.6	1975	8.0	02/28/1914
5	15.5	1994	7.5	02/14/1975
6	15.1	1971	7.0	02/20/2011
7	14.1	1965	7.0	02/09/1955
8	13.7	1915	5.5	02/10/1987
9	12.6	1993	5.2	02/09/1971
10	12.5	1986	5.2	02/19/1915

#### Rainfall

	WETTEST		DRIEST	
	AMOUNT	YEAR	AMOUNT	DAY
1	6.24	1927	1.80	04/19/1927
2	3.82	1970	1.70	04/25/1973
3	3.77	1919	1.64	04/17/1941
4	3.59	2000	1.60	04/24/1970
5	3.52	1941	1.56	04/13/1919
6	3.16	2005	1.40	04/20/1912
7	3.04	1964	1.28	04/19/1967
8	2.96	1930	1.25	04/25/1920
9	2.91	1977	1.20	04/18/1977
10	2.89	2013	1.20	04/22/1960

#### Snowfall

	GREATEST		LEAST	
	AMOUNT	YEAR	AMOUNT	DAY
1	35.3	1970	18.0	04/19/1927
2	35.0	1927	16.2	04/24/1970
3	28.3	2013	12.0	04/20/2000
4	20.2	1995	12.0	04/02/1975
5				

**May**  
Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
1	64.9	1934	47.6
2	61.7	1955	48.1
3	61.5	1941	48.2
4	61.0	2007	48.9
5	60.9	1987	49.1
6	60.8	1985	49.6
7	60.8	1977	50.0
8	60.6	1939	50.1
9	60.3	1992	50.2
10	59.6	1911	51.3

Rainfall

WETTEST			DRIEST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	8.20	1991	4.36	05/23/1971	0.24
2	7.39	1982	4.31	05/17/1991	0.28
3	7.16	1942	3.20	05/20/1965	0.28
4	6.59	1971	2.45	05/29/1954	0.31
5	6.59	1965	2.20	05/26/1987	0.49
6	5.65	1933	2.06	05/27/1949	0.53
7	5.61	1957	1.91	05/12/1932	0.55
8	5.55	2008	1.88	05/12/1920	0.56
9	5.38	1920	1.87	05/23/2008	0.72
10	5.25	1952	1.82	05/12/2005	0.74

Snowfall

GREATEST			LEAST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	13.2	1960	12.0	05/02/1960	0.0
2	11.0	1979	6.0	05/15/1979	MANY
3	10.5	1967	5.6	05/01/1984	
4	8.0	1950	5.5	05/01/1971	
5	7.5	1971	5.2	05/15/1965	
6	5.8	1984	5.0	05/11/1942	
7	5.2	1965	4.5	05/05/1967	
8	5.0	1942	3.5	05/18/1983	
9	4.0	1963	3.0	05/16/1979	
10	4.0	1956	3.0	05/02/1976	

July

Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
1	67.3	1936	65.3
2	81.5	2006	65.5
3	80.7	2012	66.8
4	80.1	1974	67.4
5	79.5	2002	67.6
6	79.5	1954	68.3
7	79.2	1966	68.5
8	78.7	2007	69.1
9	78.5	1931	69.4
10	78.4	1933	69.5

Rainfall

WETTEST			DRIEST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	6.97	1969	2.46	07/22/1923	0.02
2	6.44	1997	2.35	07/18/1937	0.22
3	6.25	1922	2.25	07/24/1988	0.43
4	4.88	1923	2.18	07/16/1909	0.44
5	4.58	2001	2.17	07/22/1922	0.50
6	4.54	1993	1.97	07/27/1935	0.51
7	4.32	1909	1.65	07/22/2010	0.51
8	4.24	1958	1.65	07/28/1966	0.57
9	4.23	1937	1.55	07/01/2001	0.57
10	4.21	1915	1.55	07/27/1990	0.57

Snowfall

GREATEST			LEAST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

September

Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
1	71.6	1939	55.5
2	70.3	1936	56.0
3	70.2	1990	57.1
4	70.2	1954	58.0
5	70.1	1937	59.0
6	70.0	1931	59.3
7	69.4	1913	59.6
8	69.3	1969	60.0
9	69.3	1948	60.0
10	69.2	1925	60.5

Rainfall

WETTEST			DRIEST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	3.96	2004	3.20	09/12/1911	0.00
2	3.83	1946	1.91	09/26/1955	TR
3	3.40	1911	1.78	09/05/2004	0.05
4	3.35	1955	1.73	09/24/1946	0.07
5	3.23	1989	1.50	09/30/2014	0.08
6	3.23	1963	1.50	09/20/1928	0.10
7	3.13	1993	1.40	09/21/1973	0.10
8	3.02	1973	1.35	09/10/1971	0.16
9	2.78	1941	1.29	09/22/1923	0.17
10	2.67	1920	1.21	09/18/1996	0.18

Snowfall

GREATEST			LEAST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	4.0	1965	4.0	09/23/1965	
2	2.0	1970	2.0	09/19/1970	
3	0.5	1949	0.5	09/18/1948	
4	0.3	1973	0.3	09/22/1973	
5	TR	1983	TR	09/26/1983	
6	TR	1955	TR	09/23/1965	
7	TR	1912	TR	09/26/1955	
8				TR	09/30/1912
9					
10					

June

Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
1	73.0	1909	57.4
2	72.7	1988	57.9
3	72.6	1911	58.0
4	72.2	1936	58.6
5	71.8	2012	59.4
6	71.6	1934	59.6
7	71.3	2006	59.7
8	71.3	2002	59.9
9	71.1	1933	60.3
10	71.0	1956	60.4

Rainfall

WETTEST			DRIEST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	9.04	1915	4.00	06/01/1915	0.06
2	8.63	1967	3.55	06/05/1943	0.35
3	7.22	1962	3.20	06/15/1986	0.63
4	6.90	1943	2.58	06/03/1997	0.69
5	6.32	1997	2.50	06/18/1928	0.73
6	6.29	1963	2.45	06/13/1925	0.86
7	5.64	1980	2.42	06/18/1970	0.91
8	5.35	1986	2.22	06/20/1980	0.93
9	4.87	2011	2.15	06/27/2011	0.93
10	4.85	1923	1.95	06/23/1962	0.94

Snowfall

GREATEST			LEAST		
AMOUNT	YEAR	AMOUNT	DAY	AMOUNT	YEAR
1	2.5	1969	2.5	06/19/1969	
2	2.0	1951	2.0	06/07/1951	
3	TR	1947			
4					
5					
6					
7					
8					
9					
10					

August

Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
1	60.3	1936	66.2



**November**  
Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
45.4	1981	22.5	1996
45.4	1953	26.7	2000
45.1	1990	26.9	2003
45.0	1949	27.5	1985
43.4	1987	27.6	2014
43.4	1965	27.7	1993
42.8	1954	27.8	1911
42.3	1999	28.3	1919
42.3	1962	28.8	1955
42.0	1974	29.9	1959

Rainfall

WETTEST		DRIEST	
AMOUNT	YEAR	AMOUNT	DAY
3.26	1922	1.57	11/01/1941
2.05	2008	1.43	11/01/1922
1.95	1948	1.36	11/06/2008
1.72	1941	1.35	11/04/1948
1.64	1991	1.35	11/15/1944
1.60	1983	1.10	11/03/1991
1.57	1961	0.98	11/06/1964
1.55	1971	0.93	11/14/1983
1.35	1944	0.83	11/01/2000
1.26	1985	0.81	11/18/1959

Snowfall

GREATEST		LEAST	
AMOUNT	YEAR	AMOUNT	DAY
20.6	1947	12.0	11/03/1991
20.5	1983	11.4	11/18/1959
19.0	1991	8.0	11/27/1983
17.1	1985	8.0	11/14/1983
14.9	1959	7.8	11/22/2010
14.5	1993	7.0	11/13/1993
13.9	2010	7.0	11/23/1952
13.0	1956	6.6	11/12/1947
12.0	1979	6.0	11/08/1928
12.0	1952	5.9	11/14/1977

Top 30 Precipitation Events

Rainfall		Snowfall	
AMOUNT	DATE	AMOUNT	DATE
5.18	08/22/1930	20.0	01/10/1949
4.36	05/29/1971	18.0	04/19/1927
4.31	05/17/1991	16.3	03/21/1929
4.10	08/28/1974	16.2	04/24/1970
4.00	06/01/1915	13.0	10/05/2013
3.55	06/05/1943	13.0	03/22/1963
3.20	06/15/1986	12.0	04/20/2000
3.20	05/20/1965	12.0	11/03/1991
3.20	09/12/1911	12.0	04/02/1975
2.80	06/08/2012	12.0	05/02/1960
2.58	06/03/1997	11.4	11/18/1959
2.50	06/18/1928	11.0	03/11/1933
2.46	07/22/1923	10.6	01/07/1976
2.45	05/29/1954	10.0	04/10/2013
2.45	06/13/1925	10.0	03/09/1985
2.42	06/18/1970	10.0	04/22/1960
2.39	10/08/1930	10.0	03/03/1958
2.35	07/18/1937	10.0	01/09/1949
2.33	08/12/1994	9.3	04/09/2013
2.25	07/24/1988	9.1	03/24/1968
2.22	06/20/1980	9.0	04/21/1970
2.20	05/26/1987	8.7	10/25/1919
2.18	07/16/1909	8.1	10/13/1970
2.17	07/22/1922	8.0	02/07/2001
2.15	06/27/2011	8.0	02/15/1995
2.09	08/21/1998	8.0	04/20/1993
2.06	05/27/1949	8.0	11/27/1983
1.97	07/27/1935	8.0	11/14/1983
1.95	06/23/1962	8.0	04/09/1957
1.91	09/26/1955	8.0	02/24/1955

**December**  
Average Temperature

WARMEST		COLDEST	
Avg	Year	Avg	Year
36.7	1939	7.2	1983
35.3	1957	11.6	1927
34.1	1941	11.8	1919
33.1	1959	12.1	1996
32.5	1962	13.2	2000
32.3	1969	13.8	1909
32.1	1999	14.2	1985
31.7	2004	14.3	1922
31.7	1965	14.8	2009
31.7	1923	16.2	2013

Rainfall

WETTEST		DRIEST	
AMOUNT	YEAR	AMOUNT	DAY
1.34	1960	0.85	12/24/1973
1.21	1978	0.73	12/10/1960
1.10	1996	0.70	12/03/1929
1.07	1929	0.54	12/22/1981
1.02	2009	0.46	12/17/1993
0.97	1964	0.46	12/01/1976
0.90	1973	0.40	12/03/1960
0.90	1935	0.40	12/10/1959
0.87	2005	0.40	12/13/1927
0.84	1914	0.40	12/13/1924

Snowfall

GREATEST		LEAST	
AMOUNT	YEAR	AMOUNT	DAY
18.1	1983	7.0	12/26/2009
17.4	2009	7.0	12/22/1981
16.0	1985	7.0	12/10/1960
15.0	1978	7.0	12/03/1929
14.1	1960	6.5	12/20/2013
13.5	1996	6.5	12/01/1976
12.3	1968	6.0	12/07/1978
11.8	1967	5.7	12/24/1973
11.5	1964	5.0	12/21/1990
11.0	2013	5.0	12/04/1985

Yearly Rainfall

Wettest		Driest	
AMOUNT	YEAR	AMOUNT	YEAR
26.14	1997	7.11	1936
25.84	1915	7.73	1939
25.13	1982	8.90	1931
22.54	2013	9.77	1910
22.44	1991	9.82	1940
22.09	2008	10.19	1950
21.94	1923	10.25	1925
21.77	1965	10.40	1924
21.73	1998	10.53	1913
21.39	1962	10.74	1921

Snowfall

Most Snow		Least Snow	
AMOUNT	YEAR	AMOUNT	YEAR
71.3	1969-70	2.3	1940-41
69.0	1983-84	3.7	1923-24
68.5	1959-60	4.7	1943-44
66.6	1985-86	8.4	1944-45
60.4	2010-11	10.5	1941-42
59.4	2012-13	10.8	1938-39
59.2	1970-71	11.1	1945-46
56.9	1981-82	11.7	1910-11
56.8	1986-87	12.0	1910-16
56.6	1974-75	14.2	1939-40